

GenCore version 5.1.6  
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Om protein - protein search, using sw model

Run on: October 26, 2005, 04:44:07 ; Search time 28 Seconds  
(without alignments)  
1719.595 Million cell updates/sec

Title: US-10-082-747a-93  
Perfect score: 1  
Sequence: M SERKEGRGKGKGKKRGS.....Q E E I Q A R L S V I A N Q D P I A V 645

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

1: /cgn2\_6/ptodata/1/iaa/5A\_COMB\_pep: \*  
2: /cgn2\_6/ptodata/1/iaa/5B\_COMB\_pep: \*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB\_pep: \*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB\_pep: \*  
5: /cgn2\_6/ptodata/1/iaa/FCTUS\_COMB\_pep: \*  
6: /cgn2\_6/ptodata/1/iaa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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**SUMMARIES**

Result No.	Score	Query	Match Length	DB	ID	Description
1	3347	100.0	645	1	US-07-847-743B-27	Sequence 27, Appl.
2	3347	100.0	645	1	US-08-456-201-27	Sequence 27, Appl.
3	3347	100.0	645	1	US-08-428-926-4	Sequence 4, Appl.
4	3347	100.0	645	1	US-08-428-927-4	Sequence 4, Appl.
5	3347	100.0	645	1	US-08-428-298-4	Sequence 4, Appl.
6	3347	100.0	645	1	US-08-330-517-4	Sequence 4, Appl.
7	3347	100.0	645	2	US-08-456-241-27	Sequence 27, Appl.
8	3347	100.0	645	3	US-09-020-880-93	Sequence 93, Appl.
9	3347	100.0	645	3	US-09-101-540-93	Sequence 93, Appl.
10	3347	100.0	645	4	US-09-091-681-3	Sequence 3, Appl.
11	3347	100.0	645	5	PCT-US92-04298A-27	Sequence 27, Appl.
12	3347	100.0	732	1	US-07-847-743B-9	Sequence 9, Appl.
13	3347	100.0	732	1	US-08-456-201-9	Sequence 9, Appl.
14	3347	100.0	732	2	US-08-456-241-9	Sequence 9, Appl.
15	3347	100.0	732	5	PCT-US92-04298A-9	Sequence 9, Appl.
16	3343	99.9	645	3	US-08-753-007A-10	Sequence 10, Appl.
17	3343	99.9	645	3	US-09-398-496-10	Sequence 10, Appl.
18	3332	99.6	645	4	US-08-467-602-270	Sequence 270, Appl.
19	3332	99.6	646	4	US-08-411-295F-196	Sequence 196, Appl.
20	3311	98.9	669	4	US-08-467-602-273	Sequence 273, Appl.
21	3311	98.9	669	4	US-08-411-295F-199	Sequence 199, Appl.
22	3299	98.6	693	4	US-08-467-602-271	Sequence 271, Appl.
23	3299	98.6	693	4	US-08-411-295F-197	Sequence 197, Appl.
24	3286	98.2	637	4	US-08-467-602-258	Sequence 258, Appl.
25	3286	98.2	637	4	US-08-411-295F-184	Sequence 184, Appl.
26	3284	98.1	637	1	US-07-847-743B-28	Sequence 28, Appl.
27	3284	98.1	US-08-456-201-28	Sequence 28, Appl.		

RESULT 1  
US-07-847-743B-27  
Sequence 27, Application US/07847743B  
Patent No. 5367060

APPLICANT: Genentech, Inc.

TITLE OF INVENTION: Structure, Production and Use of Heregulin

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/847,743B

FILING DATE: 19920306

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/705256

FILING DATE: 24-MAY-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/765212

FILING DATE: 25-SEP-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/790801

FILING DATE: 08-NO- 5367060-1991

ATTORNEY/AGENT INFORMATION:

NAME: Hensley, Max D.

REGISTRATION NUMBER: 27,043

REFERENCE/DOCKET NUMBER: 712P3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/266-1489

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 645 amino acids

TYPE: AMINO ACID

TOPOLOGY: linear

US-07-847-743B-27

Query Match 100.0%; Score 3347; DB 1; length 645;

Best Local Similarity 100.0%; Pred. No. 1.3e-244; Mismatches 0; Indels 0; Gaps 0; Matches 645; Conservative 0;

QY 1 MSERKEGRGKGKGGKKERGGSKKPKPESAGGSPALPPOLKEMKSQESAGSKVLRCTS 60  
 1 MSERKEGRGKGKGGKKERGGSKKPKPESAGGSPALPPOLKEMKSQESAGSKVLRCTS 60

Db 61 SEYSSLRFKWKNGNELNKRKPNQNIKIQKPKGKESBLRINKASLADSGEMYCKVSKLGN 120  
 61 SEYSSLRFKWKNGNELNKRKPNQNIKIQKPKGKESBLRINKASLADSGEMYCKVSKLGN 120

QY 121 DSAANITIVESNETITGMPASTEGAYVSSESPRLSISPRISVSTEGANTSSTSSTGTSHV 180  
 121 DSASANITIVESNETITGMPASTEGAYVSSESPRLSISPRISVSTEGANTSSTSSTGTSHV 180

Db 181 KCAEKETFCVNGGCFPMWKLNSPNSRVLICKCPNEFTGDRCONYMASFYKHLGIEFMEA 240  
 181 KCAEKETFCVNGGCFPMWKLNSPNSRVLICKCPNEFTGDRCONYMASFYKHLGIEFMEA 240

QY 241 EELYOKRVLITITGICIAALLVVGIMCVAVYCKTKKORKKLDRLRQSLRSERNMNMNIA 300  
 241 EELYOKRVLITITGICIAALLVVGIMCVAVYCKTKKORKKLDRLRQSLRSERNMNMNIA 300

Db 301 PHPNPBPENTOLVQNVQSKVNSHIVREAEATSFSHTYSTAHHTSTVOTPSHW 360  
 301 PHPNPBPENTOLVQNVQSKVNSHIVREAEATSFSHTYSTAHHTSTVOTPSHW 360

QY 361 SNGHTESTLSHSVITMSSVENSRSRSPGPRBLNGCGRRECSNPLRHTPDSY 420  
 361 SNGHTESTLSHSVITMSSVENSRSRSPGPRBLNGCGRRECSNPLRHTPDSY 420

Db 421 RDSPHSERVYSAAMTPARMSNDHTPSSPKSPKSPMSPPMSMPPSSMTVSPMSMAVSPFMEEE 480  
 421 RDSPHSERVYSAAMTPARMSNDHTPSSPKSPKSPMSPPMSMPPSSMTVSPMSMAVSPFMEEE 480

QY 481 RPLLUVTPLREKKFDHHPQOFSSFHNPADNSLNPASPLRIVDEEYETTOYEPAQ 540  
 481 RPLLUVTPLREKKFDHHPQOFSSFHNPADNSLNPASPLRIVDEEYETTOYEPAQ 540

Db 541 EPVKLANSRRAKETKPNCHIANLLEVDSNTSSQSNSETEDEVRGEITPFLGIONPL 600  
 541 EPVKLANSRRAKETKPNCHIANLLEVDSNTSSQSNSETEDEVRGEITPFLGIONPL 600

Db 541 EPVKLANSRRAKETKPNCHIANLLEVDSNTSSQSNSETEDEVRGEITPFLGIONPL 600  
 541 EPVKLANSRRAKETKPNCHIANLLEVDSNTSSQSNSETEDEVRGEITPFLGIONPL 600

RESULT 2

US-08-456 201-27

; Sequence 27, Application US/08456201

; Patent No. 5641869

; GENERAL INFORMATION:

; APPLICANT: Vandlen, Richard L.,

; APPLICANT: Holmes, William E.,

; TITLE OF INVENTION: Structure, Production and Use of

; TITLE OF INVENTION: Hergulin 2 Ligands

; NUMBER OF SEQUENCES: 30

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/456,201

FILING DATE:

Best Local Similarity 100.0%; Score 3347; DB 1; Length 645; Mismatches 0; Indels 0; Gaps 0; Matches 645; Conservative 0;

QY 1 MSERKEGRGKGKGGKKERGGSKKPKPESAGGSPALPPOLKEMKSQESAGSKVLRCTS 60  
 1 MSERKEGRGKGKGGKKERGGSKKPKPESAGGSPALPPOLKEMKSQESAGSKVLRCTS 60

Db 61 SEYSSLRFKWKNGNELNKRKPNQNIKIQKPKGKESBLRINKASLADSGEMYCKVSKLGN 120  
 61 SEYSSLRFKWKNGNELNKRKPNQNIKIQKPKGKESBLRINKASLADSGEMYCKVSKLGN 120

QY 121 DSASANITIVESNETITGMPASTEGAYVSSESPRLSISPRISVSTEGANTSSTSSTGTSHV 180  
 121 DSASANITIVESNETITGMPASTEGAYVSSESPRLSISPRISVSTEGANTSSTSSTGTSHV 180

Db 181 KCAEKETFCVNGGCFPMWKLNSPNSRVLICKCPNEFTGDRCONYMASFYKHLGIEFMEA 240  
 181 KCAEKETFCVNGGCFPMWKLNSPNSRVLICKCPNEFTGDRCONYMASFYKHLGIEFMEA 240

QY 241 EELYOKRVLITITGICIAALLVVGIMCVAVYCKTKKORKKLDRLRQSLRSERNMNMNIA 300  
 241 EELYOKRVLITITGICIAALLVVGIMCVAVYCKTKKORKKLDRLRQSLRSERNMNMNIA 300

Db 301 PHPNPBPENTOLVQNVQSKVNSHIVREAEATSFSHTYSTAHHTSTVOTPSHW 360  
 301 PHPNPBPENTOLVQNVQSKVNSHIVREAEATSFSHTYSTAHHTSTVOTPSHW 360

QY 361 SNGHTESTLSHSVITMSSVENSRSRSPGPRBLNGCGRRECSNPLRHTPDSY 420  
 361 SNGHTESTLSHSVITMSSVENSRSRSPGPRBLNGCGRRECSNPLRHTPDSY 420

Db 421 RDSPHSERVYSAAMTPARMSNDHTPSSPKSPKSPMSPPMSMPPSSMTVSPMSMAVSPFMEEE 480  
 421 RDSPHSERVYSAAMTPARMSNDHTPSSPKSPKSPMSPPMSMPPSSMTVSPMSMAVSPFMEEE 480

QY 481 RPLLUVTPLREKKFDHHPQOFSSFHNPADNSLNPASPLRIVDEEYETTOYEPAQ 540  
 481 RPLLUVTPLREKKFDHHPQOFSSFHNPADNSLNPASPLRIVDEEYETTOYEPAQ 540

Db 601 AASLEATPAFLADSRNTNPAGRSTQEEIQLRSSVIANQDPIAV 645  
 601 AASLEATPAFLADSRNTNPAGRSTQEEIQLRSSVIANQDPIAV 645

Db 601 AASLEATPAFLADSRNTNPAGRSTQEEIQLRSSVIANQDPIAV 645

RESULT 3 US-08-428-926-4

Sequence 4, Application US/08428926

Patent No. 5,677,80

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

APPLICANT: Osberoff, Phyllis L.

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,926

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: 853D4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-8881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 645 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-926-4

Query Match 100.0%; Score 3347; DB 1; length 645;

Best Local Similarity 100.0%; Pred. No. 1.3e-244; Indels 0; Gaps 0;

Matches 645; Conservative 0; Mismatches 0; Indel 0; Gaps 0;

QY 1 MSERKEGRGKGKCKKERGSKKPKESAGQSALPPOLKEMQSESAAGSKVLRETS 60

Db 1 MSERKEGRGKGKCKKERGSKKPKESAGQSALPPOLKEMQSESAAGSKVLRETS 60

QY 61 SEVSSLRKKFKNGNELNRKPKONIKQKPKSELRINKASLADSYMCKVLSKGN 120

Db 61 SEVSSLRKKFKNGNELNRKPKONIKQKPKSELRINKASLADSYMCKVLSKGN 120

QY 121 DSANSITIVESNITITGMPASTEGAYVSSESPRISTSTEGANTSSTSTGTSHLV 180

Db 121 DSANSITIVESNITITGMPASTEGAYVSSESPRISTSTEGANTSSTSTGTSHLV 180

QY 181 KCAEKEKTCVNGGECFMKDLSPSRVYCKCPNEFTGDRQNTMASPKHIGFMEA 240

Db 181 KCAEKEKTCVNGGECFMKDLSPSRVYCKCPNEFTGDRQNTMASPKHIGFMEA 240

QY 241 EELQKRVVLTGCTTALLVGMQVACKTKQKQKLRQSLASBRNMNNG 300

Db 241 EELQKRVVLTGCTTALLVGMQVACKTKQKQKLRQSLASBRNMNNG 300

QY 301 PHENPPENPVQNOYVSKVNSSEHIVEREAESTSFSTSHYSTAHSHSTVOTPSHW 360

Db 301 PHENPPENPVQNOYVSKVNSSEHIVEREAESTSFSTSHYSTAHSHSTVOTPSHW 360

RESULT 4 US-08-428-927-4

Sequence 4, Application US/08428927

Patent No. 5,756456

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

APPLICANT: Osberoff, Phyllis L.

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,927

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00,000

REFERENCE/DOCKET NUMBER: 853D3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-8881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 645 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-927-4

Query Match 100.0%; Score 3347; DB 1; length 645;

Best Local Similarity 100.0%; Pred. No. 1.3e-244; Indels 0; Gaps 0;

Matches 645; Conservative 0; Mismatches 0; Indel 0; Gaps 0;

QY 1 MSERKEGRGKGKCKKERGSKKPKESAGQSALPPOLKEMQSESAAGSKVLRETS 60

Db 1 MSERKEGRGKGKCKKERGSKKPKESAGQSALPPOLKEMQSESAAGSKVLRETS 60

QY 61 SEVSSLRKKFKNGNELNRKPKONIKQKPKSELRINKASLADSYMCKVLSKGN 120

Db 61 SEYSSLRFKWKNGNELNRKPNQNIQKPKGSKSLRINKASLADSGEYMKVSKLGN 120  
 QY 121 DSA SANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 Db 121 DSA SANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 181 KCAEKEKTFCVNGGECFMVKDLNSP RYLC KCPNEFTGDRQNTYMASPYKHLGIEFMEA 240  
 Db 181 KCAEKEKTFCVNGGECFMVKDLNSP RYLC KCPNEFTGDRQNTYMASPYKHLGIEFMEA 240  
 QY 241 ERLYQKRVLTVGICALLVGM CTVAYCKTKKORKKLHDLRQLRSRSLRNRNMMNTANG 300  
 Db 241 ERLYQKRVLTVGICALLVGM CTVAYCKTKKORKKLHDLRQLRSRSLRNRNMMNTANG 300  
 QY 301 PHHPNPPENVOLNQYVSKVNSHSEH VIREAETSFSTSYTSTAHHS TTVTQTPSHW 360  
 Db 301 PHHPNPPENVOLNQYVSKVNSHSEH VIREAETSFSTSYTSTAHHS TTVTQTPSHW 360  
 QY 361 SNGHTEISLSHSVIVMSSVENS RHHSSPTGGRGLNGTGGPREGNSFLRHAETPDY 420  
 Db 361 SNGHTEISLSHSVIVMSSVENS RHHSSPTGGRGLNGTGGPREGNSFLRHAETPDY 420  
 421 RDSPHRSBRYVSA MTPARMSPVDFHPTSPSKSPSEMSPVSSMTVSPMSMAVSPFME 480  
 Db 421 RDSPHRSBRYVSA MTPARMSPVDFHPTSPSKSPSEMSPVSSMTVSPMSMAVSPFME 480  
 QY 481 RPLLIUTPPLREKKFDH RQOFSFPHNPAHNSLPA SLPRI VDEBEYETTQYEPQ 540  
 Db 481 RPLLIUTPPLREKKFDH RQOFSFPHNPAHNSLPA SLPRI VDEBEYETTQYEPQ 540  
 QY 541 EPVKKLANSRRAKTKPNGHIANL EVDNS TSSQNSN S ETE D E R V G E D T P F L G I Q N P L 600  
 Db 541 EPVKKLANSRRAKTKPNGHIANL EVDNS TSSQNSN S ETE D E R V G E D T P F L G I Q N P L 600  
 QY 601 AASLEATPAFLADSRN PAGFSTOEI QARLSSVIANQDPIAV 645  
 Db 601 AASLEATPAFLADSRN PAGFSTOEI QARLSSVIANQDPIAV 645

RESULT 5  
 US-08-428-298-4  
 ; Sequence 4, Application US/08428298  
 ; Patent No. 5763213  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ho, Wei-Hsien  
 ; APPLICANT: Osheroff, Phyllis L.  
 ; TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd  
 ; CITY: South San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94080  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 5.25 in., 360 Kb floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: patin (Genentech)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/428,298  
 ; FILING DATE: 25-APR-1995  
 ; CLASSIFICATION: 435  
 ; PRIORITY APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/339517  
 ; FILING DATE: 14-NOV-1994  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lee, Wendy M.  
 ; REGISTRATION NUMBER: 00,000  
 ; REFERENCE/DOCKET NUMBER: 85332  
 ; TELECOMMUNICATION INFORMATION:

RESULT 6  
 US-08-339-517-4  
 ; Sequence 4, Application US/08339517  
 ; Patent No. 5770567  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ho, Wei-Hsien  
 ; APPLICANT: Osheroff, Phyllis L.  
 ; TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd  
 ; CITY: South San Francisco  
 ; STATE: California

Query Match Similarity 100.0%; Score 3347; DB 1; Length 645;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Db 1 M SERKEGRGKGKKERGSKKPEASAGS QSPALPQ KEMKQSEASAGSKLVR CTS 60  
 Db 1 M SERKEGRGKGKKERGSKKPEASAGS QSPALPQ KEMKQSEASAGSKLVR CTS 60  
 QY 61 SEYSSLRFKWKNGNELNRKPNQNIQKPKGSKSLRINKASLADSGEYMKVSKLGN 120  
 Db 61 SEYSSLRFKWKNGNELNRKPNQNIQKPKGSKSLRINKASLADSGEYMKVSKLGN 120  
 QY 121 DSA SANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 Db 121 DSA SANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 QY 121 DSASANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 Db 121 DSASANITIVESNEITGM PASTEGAYVSSP RISVSTEGANTS SSTS TSTG TSHLV 180  
 QY 181 KCAEKEKTFCVNGGECFMVKDLNSP RYLC KCPNEFTGDRQNTYMASPYKHLGIEFMEA 240  
 Db 181 KCAEKEKTFCVNGGECFMVKDLNSP RYLC KCPNEFTGDRQNTYMASPYKHLGIEFMEA 240  
 QY 241 ERLYQKRVLTVGICALLVGM CTVAYCKTKKORKKLHDLRQLRSRSLRNRNMMNTANG 300  
 Db 241 ERLYQKRVLTVGICALLVGM CTVAYCKTKKORKKLHDLRQLRSRSLRNRNMMNTANG 300  
 QY 301 PHHPNPPENVOLNQYVSKVNSHSEH VIREAETSFSTSYTSTAHHS TTVTQTPSHW 360  
 Db 301 PHHPNPPENVOLNQYVSKVNSHSEH VIREAETSFSTSYTSTAHHS TTVTQTPSHW 360  
 QY 361 SNGHTEISLSHSVIVMSSVENS RHHSSPTGGRGLNGTGGPREGNSFLRHAETPDY 420  
 Db 361 SNGHTEISLSHSVIVMSSVENS RHHSSPTGGRGLNGTGGPREGNSFLRHAETPDY 420  
 QY 421 RDSPHRSBRYVSA MTPARMSPVDFHPTSPSKSPSEMSPVSSMTVSPMSMAVSPFME 480  
 Db 421 RDSPHRSBRYVSA MTPARMSPVDFHPTSPSKSPSEMSPVSSMTVSPMSMAVSPFME 480  
 QY 481 RPLLIUTPPLREKKFDH RQOFSFPHNPAHNSLPA SLPRI VDEBEYETTQYEPQ 540  
 Db 481 RPLLIUTPPLREKKFDH RQOFSFPHNPAHNSLPA SLPRI VDEBEYETTQYEPQ 540  
 QY 541 EPVKKLANSRRAKTKPNGHIANL EVDNS TSSQNSN S ETE D E R V G E D T P F L G I Q N P L 600  
 Db 541 EPVKKLANSRRAKTKPNGHIANL EVDNS TSSQNSN S ETE D E R V G E D T P F L G I Q N P L 600  
 QY 601 AASLEATPAFLADSRN PAGFSTOEI QARLSSVIANQDPIAV 645  
 Db 601 AASLEATPAFLADSRN PAGFSTOEI QARLSSVIANQDPIAV 645

COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/7339, 517  
 FILING DATE: 14-NOV-1994  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00, 000  
 REFERENCE/DOCKET NUMBER: 853  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7158  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 645 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-339-517-4

Query Match 100.0%; Score 3347; DB 1; Length 645;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-244; Mismatches 0; Indels 0; Gaps 0;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSERKEGRGKCKKKKRGSKKPESSAGSOSPALPOLKEMKSQESAGSKLVURCETS 60  
 Db 1 MSERKEGRGKCKKKKRGSKKPESSAGSOSPALPOLKEMKSQESAGSKLVURCETS 60  
 Qy 61 SEYSSLRFPKFKNGNELNRKRNQKPKQNIKKQKCKSKSEIRINKASLADSGEYMKVSKLGN 120  
 Db 61 SEYSSLRFPKFKNGNELNRKRNQKPKQNIKKQKCKSKSEIRINKASLADSGEYMKVSKLGN 120  
 Qy 121 DSANANTIVESNEITGMPASSEGAYKSVSSEPRISSTEGANTSSTSITGTSHLV 180  
 Db 121 DSANANTIVESNEITGMPASSEGAYKSVSSEPRISSTEGANTSSTSITGTSHLV 180  
 Qy 181 KCLEKEKFCVNGCECEWMDISNSPRLCKPNEFGDRCONYMASPYKHLGIGMEA 240  
 Db 181 KCLEKEKFCVNGCECEWMDISNSPRLCKPNEFGDRCONYMASPYKHLGIGMEA 240  
 Qy 181 KCAEKETKFCVNGCECEWMDISNSPRLCKPNEFGDRCONYMASPYKHLGIGMEA 240  
 Db 181 KCAEKETKFCVNGCECEWMDISNSPRLCKPNEFGDRCONYMASPYKHLGIGMEA 240  
 Qy 241 EETYQKRVLTIGCIALLWVGMCVVAACKYKQKQLHDURQSRJSERINMMIANG 300  
 Db 241 EETYQKRVLTIGCIALLWVGMCVVAACKYKQKQLHDURQSRJSERINMMIANG 300  
 Qy 301 PHPNPPPPENPVQVNOQYKSVNISSEHVEREATSFSTSHYSTAHSHTTQTPSHW 360  
 Db 301 PHPNPPPPENPVQVNOQYKSVNISSEHVEREATSFSTSHYSTAHSHTTQTPSHW 360  
 Qy 361 SNGHTESTLSESHSVIVMSVNSVNSRHSSPTGGRGRGNTGGRRECNCSFLRARETDSY 420  
 Db 361 SNGHTESTLSESHSVIVMSVNSVNSRHSSPTGGRGRGNTGGRRECNCSFLRARETDSY 420  
 Qy 421 RDSPHSERVYSAMTTPARMSPVDPHTPSSPKSPSEMAPPPVSSMTVSPMSMAVSPFME 480  
 Db 421 RDSPHSERVYSAMTTPARMSPVDPHTPSSPKSPSEMAPPPVSSMTVSPMSMAVSPFME 480  
 Qy 481 RPLPLAVTPPLRERKFDHPHQOQSSPHAPHSNSLSPASPLIVEDEYETEYBPAQ 540  
 Db 481 RPLPLAVTPPLRERKFDHPHQOQSSPHAPHSNSLSPASPLIVEDEYETEYBPAQ 540  
 Qy 541 EPVKKLANSRRAKETKPNHHTANRLEVTSQSNSSESETDVERBDDTPFLGIONPL 600  
 Db 541 EPVKKLANSRRAKETKPNHHTANRLEVTSQSNSSESETDVERBDDTPFLGIONPL 600  
 Qy 541 EPVKKLANSRRAKETKPNHHTANRLEVTSQSNSSESETDVERBDDTPFLGIONPL 600

RESULT 7  
 US-08-456-241-27  
 Sequence 27 Application US/08456241  
 Patent No. 5840525  
 GENERAL INFORMATION:  
 APPLICANT: Vandlen, Richard L.  
 APPLICANT: Holmes, William B.  
 TITLE OF INVENTION: STRUCTURE, PRODUCTION AND USE OF  
 TITLE OF INVENTION: HEPREGULIN  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/456, 241  
 FILING DATE: 31-MAY-1995  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/126145  
 FILING DATE: 23-SEP-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/880917  
 FILING DATE: 11-MAY-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/847743  
 FILING DATE: 06-MAR-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 FILING DATE: 08-NOV-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 FILING DATE: 25-SEP-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/705256  
 FILING DATE: 24-MAY-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00, 000  
 REFERENCE/DOCKET NUMBER: 712P4C1D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7158  
 INFORMATION FOR SEQ ID NO: 27:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 645 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-456-241-27

Query Match 100.0%; Score 3347; DB 2; Length 645;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-244; Mismatches 0; Indels 0; Gaps 0;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSERKEGRGKCKKKKRGSKKPESSAGSOSPALPOLKEMKSQESAGSKLVURCETS 60  
 Db 1 MSERKEGRGKCKKKKRGSKKPESSAGSOSPALPOLKEMKSQESAGSKLVURCETS 60

Qy 61 SEYSSLRFPKFKNGNELNRKRNQKPKQNIKKQKCKSKSEIRINKASLADSGEYMKVSKLGN 120

Query Match Score 3347; DB 3; Length 645;  
Best Local Similarity 100.0%; Pred. No. 1.3e-244;

ORGANISM: Homo sapiens  
; US-09-101-544-93

QY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Db	1	M	S	E	R	G	A	G	K	G	K	K	K	K	E	R	S	G	K	P	E	S	A	G	S	O	S	P	A	L	P	O	K	E	M	K	S	O	E	S	A	G	K	V	L	R	E	B	T	S										
Db	1	M	S	E	R	G	A	G	K	G	K	K	K	K	E	R	S	G	K	P	E	S	A	G	S	O	S	P	A	L	P	O	K	E	M	K	S	O	E	S	A	G	K	V	L	R	E	B	T	S										

Query Match	100.0%	Score 3347;	DB 3;	Length 645;
Best Local Similarity	100.0%	Pred. No. 1.	3e-244;	
Matches	645;	Conservative		
Over	1	MSRKPKCKKKKKKRRGSKKPRSSAGSOSPAIIPPOIEMKGCGESAAKGSKLVRCE	TCS 60	



NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US92/04295A  
 FILING DATE: 19920521  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/705256  
 FILING DATE: 24-MAY-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 FILING DATE: 25-SEP-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 FILING DATE: 08-NOV-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/847743  
 FILING DATE: 06-MAR-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hensley, Max D.  
 REGISTRATION NUMBER: 27, 043  
 REFERENCE/DOCKET NUMBER: 712P3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 27:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 645 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 PCT-US92-04295A-27

Query Match 100.0%; Score 3347; DB 5; Length 645;  
 Best Local Similarity 100.0%; Pred. No. 1.3e-244;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSERKEGRGKGKCKKKGKGSKRPEASAGSOSPALLPQKEMKSKPESAGSKLVRCTS 60  
 Db 1 MSERKEGRGKGKCKKKGKGSKRPEASAGSOSPALLPQKEMKSKPESAGSKLVRCTS 60

QY 61 SEYSSURPKWKGNGELNRKPKQNIKQKPKGSRLRINKASLADSGEMCKWISLGN 120  
 Db 61 SEYSSURPKWKGNGELNRKPKQNIKQKPKGSRLRINKASLADSGEMCKWISLGN 120

QY 121 DSASANTTIVESNEITTGMPASTEGAVVSSSPTRISVSTEGAVNTSSTSSTGSHLV 180  
 Db 121 DSASANTTIVESNEITTGMPASTEGAVVSSSPTRISVSTEGAVNTSSTSSTGSHLV 180

QY 241 EELYQKVLUTTGICALLVGMCVAYCKTKKORKKGLDRQSLRSRERNMNMNANG 300  
 Db 241 ELYQKVLUTTGICALLVGMCVAYCKTKKORKKGLDRQSLRSRERNMNMNANG 300

QY 301 PHPNPFPENTQVQVQSVKAVISSEHIVEREATSEPSFTSHSTVTTAHHSTVTTQTPSHW 360  
 Db 301 PHPNPFPENTQVQVQSVKAVISSEHIVEREATSEPSFTSHSTVTTAHHSTVTTQTPSHW 360

QY 361 SNGHTEISLESBSHVIVMSVENSRHSSTPGGRGRINGTGGPRECNFSPLRHARETPDSY 420

Db 361 SNGHTEISLESBSHVIVMSVENSRHSSTPGGRGRINGTGGPRECNFSPLRHARETPDSY 420

QY 421 RDSPSERVSYAMTTPARMSPVDFHTPSPPSFSKSPSEMSPPVSVMSMAYSPFME 480  
 Db 421 RDSPSERVSYAMTTPARMSPVDFHTPSPPSFSKSPSEMSPPVSVMSMAYSPFME 480

QY 481 RPLLUVTPPREKEFDHIFQFQSSPFHMPAHDSNLSPASPLRIVEDEYETTOYEPQ 540  
 Db 481 RPLLUVTPPREKEFDHIFQFQSSPFHMPAHDSNLSPASPLRIVEDEYETTOYEPQ 540

QY 541 EPVKKLNRSRAKTKPQHHTANLEVSNTSSOSSNSSETERVGDTPELIGIONPL 600  
 Db 541 EPVKKLNRSRAKTKPQHHTANLEVSNTSSOSSNSSETERVGDTPELIGIONPL 600

QY 601 AASLEATPFLRASRNTNAGRSTQEEQARLSSVIANDPIAV 645  
 Db 601 AASLEATPFLRASRNTNAGRSTQEEQARLSSVIANDPIAV 645

RESULT 12  
 US-07-847-743B-9  
 ; Sequence 9, Application US/07847743B  
 ; Patent No. 5367060  
 GENERAL INFORMATION:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/847, 743B  
 FILING DATE: 19920306  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 FILING DATE: 25-Sep-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 FILING DATE: 08-No. 5367060-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hensley, Max D.  
 REGISTRATION NUMBER: 27, 043  
 REFERENCE/DOCKET NUMBER: 712P3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/226-1489  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 732 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 US-07-847-743B-9

Query Match 100.0%; Score 3347; DB 1; Length 732;  
 Best Local Similarity 100.0%; Pred. No. 1.6e-244;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 M\$ERKEGRGKOKKKERGSGKKPESANGSOSPALPOLKEMMSOESAAGSKVLVRCETS 60  
 Db 31 M\$ERKEGRGKOKKKERGSGKKPESAGSOSPALPOLKEMMSOESAAGSKVLVRCETS 90  
 QY 61 S\$E\$SL\$RKF\$K\$F\$K\$G\$N\$E\$L\$R\$K\$N\$K\$P\$O\$N\$K\$Q\$K\$G\$K\$S\$E\$R\$L\$R\$K\$N\$K\$A\$S\$D\$G\$E\$Y\$M\$C\$K\$V\$K\$L\$G\$N 120  
 91 S\$E\$SS\$LRKF\$K\$F\$K\$G\$N\$E\$L\$R\$K\$N\$K\$P\$O\$N\$K\$Q\$K\$G\$K\$S\$E\$R\$L\$R\$K\$N\$K\$A\$S\$D\$G\$E\$Y\$M\$C\$K\$V\$K\$L\$G\$N 150  
 121 D\$S\$A\$N\$A\$T\$V\$E\$N\$E\$I\$T\$G\$M\$P\$A\$T\$E\$G\$A\$V\$S\$E\$S\$P\$R\$V\$S\$T\$E\$G\$A\$N\$T\$S\$S\$T\$T\$T\$G\$T\$H\$L\$V 180  
 151 D\$S\$A\$N\$A\$T\$V\$E\$N\$E\$I\$T\$G\$M\$P\$A\$T\$E\$G\$A\$V\$S\$E\$S\$P\$R\$V\$S\$T\$E\$G\$A\$N\$T\$S\$S\$T\$T\$T\$G\$T\$H\$L\$V 210  
 QY K\$C\$A\$E\$K\$E\$K\$T\$C\$V\$N\$G\$C\$F\$M\$K\$D\$S\$P\$R\$Y\$K\$C\$P\$E\$N\$F\$G\$D\$R\$C\$O\$N\$Y\$M\$A\$S\$P\$Y\$K\$H\$G\$E\$M\$E\$A 240  
 211 K\$C\$A\$E\$K\$E\$K\$T\$C\$V\$N\$G\$C\$F\$M\$K\$D\$S\$P\$R\$Y\$K\$C\$P\$E\$N\$F\$G\$D\$R\$C\$O\$N\$Y\$M\$A\$S\$P\$Y\$K\$H\$G\$E\$M\$E\$A 270  
 241 E\$E\$Y\$Q\$R\$V\$T\$T\$G\$C\$A\$T\$C\$I\$A\$L\$V\$G\$M\$C\$V\$A\$Y\$K\$T\$K\$Q\$R\$K\$K\$H\$D\$R\$Q\$S\$R\$E\$R\$N\$M\$M\$N\$A\$G 300  
 271 E\$E\$Y\$Q\$R\$V\$T\$T\$G\$C\$A\$T\$C\$I\$A\$L\$V\$G\$M\$C\$V\$A\$Y\$K\$T\$K\$Q\$R\$K\$K\$H\$D\$R\$Q\$S\$R\$E\$R\$N\$M\$M\$N\$A\$G 330  
 301 P\$H\$P\$N\$P\$P\$P\$V\$O\$V\$Q\$N\$O\$Y\$K\$V\$N\$S\$E\$H\$V\$E\$R\$E\$A\$T\$S\$T\$H\$Y\$T\$S\$A\$H\$S\$T\$T\$V\$T\$Q\$P\$H\$W 360  
 331 P\$H\$P\$N\$P\$P\$P\$V\$O\$V\$Q\$N\$O\$Y\$K\$V\$N\$S\$E\$H\$V\$E\$R\$E\$A\$T\$S\$T\$H\$Y\$T\$S\$A\$H\$S\$T\$T\$V\$T\$Q\$P\$H\$W 390  
 Db 361 S\$N\$G\$T\$E\$S\$T\$I\$S\$E\$S\$H\$V\$M\$V\$S\$V\$E\$N\$R\$H\$S\$P\$T\$G\$P\$R\$G\$R\$G\$T\$G\$P\$R\$E\$C\$N\$S\$F\$L\$R\$A\$R\$E\$T\$D\$Y 420  
 391 S\$N\$G\$T\$E\$S\$T\$I\$S\$E\$S\$H\$V\$M\$V\$S\$V\$E\$N\$R\$H\$S\$P\$T\$G\$P\$R\$G\$R\$G\$T\$G\$P\$R\$E\$C\$N\$S\$F\$L\$R\$A\$R\$E\$T\$D\$Y 450  
 421 R\$D\$P\$H\$S\$E\$R\$V\$S\$A\$M\$T\$P\$A\$R\$M\$P\$V\$P\$F\$H\$T\$P\$P\$S\$P\$K\$P\$S\$E\$M\$P\$P\$V\$S\$M\$T\$V\$S\$M\$P\$M\$A\$V\$S\$P\$M\$E\$E 480  
 451 R\$D\$P\$H\$S\$E\$R\$V\$S\$A\$M\$T\$P\$A\$R\$M\$P\$V\$P\$F\$H\$T\$P\$P\$S\$P\$K\$P\$S\$E\$M\$P\$P\$V\$S\$M\$T\$V\$S\$M\$P\$M\$A\$V\$S\$P\$M\$E\$E 510  
 481 R\$P\$U\$V\$T\$P\$R\$R\$E\$K\$F\$D\$H\$P\$Q\$S\$F\$H\$N\$P\$A\$H\$N\$S\$L\$P\$A\$P\$R\$U\$V\$D\$E\$Y\$E\$T\$T\$Q\$Y\$E\$P\$A\$Q 540  
 511 R\$P\$U\$V\$T\$P\$R\$R\$E\$K\$F\$D\$H\$P\$Q\$S\$F\$H\$N\$P\$A\$H\$N\$S\$L\$P\$A\$P\$R\$U\$V\$D\$E\$Y\$E\$T\$T\$Q\$Y\$E\$P\$A\$Q 570  
 QY 541 E\$P\$V\$K\$G\$A\$N\$R\$R\$A\$K\$T\$K\$P\$N\$H\$A\$N\$R\$L\$E\$V\$S\$O\$N\$S\$E\$T\$D\$E\$R\$V\$G\$E\$D\$T\$P\$L\$G\$I\$O\$N\$P\$L 600  
 Db 571 E\$P\$V\$K\$G\$A\$N\$R\$R\$A\$K\$T\$K\$P\$N\$H\$A\$N\$R\$L\$E\$V\$S\$O\$N\$S\$E\$T\$D\$E\$R\$V\$G\$E\$D\$T\$P\$L\$G\$I\$O\$N\$P\$L 630  
 QY 601 A\$A\$S\$E\$A\$T\$P\$A\$F\$R\$L\$A\$D\$R\$T\$N\$A\$G\$R\$S\$T\$Q\$E\$E\$Q\$A\$R\$S\$V\$A\$N\$Q\$D\$P\$A\$V 645  
 Db 631 A\$A\$S\$E\$A\$T\$P\$A\$F\$R\$L\$A\$D\$R\$T\$N\$A\$G\$R\$S\$T\$Q\$E\$E\$Q\$A\$R\$S\$V\$A\$N\$Q\$D\$P\$A\$V 675

RESULT 13  
 US-08-456-201-9  
 Sequence 9, Application US/08456201  
 Patent No. 561169  
 GENERAL INFORMATION:  
 APPLICANT: Vandlen, Richard L.,  
 APPLICANT: Holmes, William E.,  
 TITLE OF INVENTION: Structure, Production and Use of  
 TITLE OF INVENTION: Heregulin 2 Ligands  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/456,201  
 FILING DATE:  
 CLASSIFICATION: 530  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/08/126,145

FILING DATE:  
 APPLICATION NUMBER: 07/880,917  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/70256  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 ATTORNEY / AGENT INFORMATION:  
 NAME: Hensley, Max D.  
 REGISTRATION NUMBER: 27, 034  
 REFERENCE/DOCKET NUMBER: 772P4  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/266-1489  
 TELFAX: 415/952-9881  
 TELX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 732 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-456-201-9

Query Match 100.0%; Score 3347; DB: 1; Length 732;  
 Best Local Similarity 100.0%; Pred. No. 1.6e-244; Indels 0; Gaps 0;  
 Matches 645; Conservative 0; Mismatches 0; Index 0;

QY 1 M\$ERKEGRGKOKKKERGSGKKPESANGSOSPALPOLKEMMSOESAAGSKVLVRCETS 60  
 Db 31 M\$ERKEGRGKOKKKERGSGKKPESAGSOSPALPOLKEMMSOESAAGSKVLVRCETS 90  
 QY 61 S\$E\$SS\$LRKF\$K\$F\$K\$G\$N\$E\$L\$R\$K\$N\$K\$P\$O\$N\$K\$Q\$K\$G\$K\$S\$E\$R\$L\$R\$K\$N\$K\$A\$S\$D\$G\$E\$Y\$M\$C\$K\$V\$K\$L\$G\$N 120  
 91 S\$E\$SS\$LRKF\$K\$F\$K\$G\$N\$E\$L\$R\$K\$N\$K\$P\$O\$N\$K\$Q\$K\$G\$K\$S\$E\$R\$L\$R\$K\$N\$K\$A\$S\$D\$G\$E\$Y\$M\$C\$K\$V\$K\$L\$G\$N 150  
 121 D\$S\$A\$N\$A\$T\$V\$E\$N\$E\$I\$T\$G\$M\$P\$A\$T\$E\$G\$A\$V\$S\$E\$S\$P\$R\$V\$S\$T\$E\$G\$A\$N\$T\$S\$S\$T\$T\$T\$G\$T\$H\$L\$V 180  
 151 D\$S\$A\$N\$A\$T\$V\$E\$N\$E\$I\$T\$G\$M\$P\$A\$T\$E\$G\$A\$V\$S\$E\$S\$P\$R\$V\$S\$T\$E\$G\$A\$N\$T\$S\$S\$T\$T\$T\$G\$T\$H\$L\$V 210  
 181 K\$C\$A\$E\$K\$E\$K\$T\$C\$V\$N\$G\$C\$F\$M\$K\$D\$S\$P\$R\$Y\$K\$C\$P\$E\$N\$F\$G\$D\$R\$C\$O\$N\$Y\$M\$A\$S\$P\$Y\$K\$H\$G\$E\$M\$E\$A 240  
 211 K\$C\$A\$E\$K\$E\$K\$T\$C\$V\$N\$G\$C\$F\$M\$K\$D\$S\$P\$R\$Y\$K\$C\$P\$E\$N\$F\$G\$D\$R\$C\$O\$N\$Y\$M\$A\$S\$P\$Y\$K\$H\$G\$E\$M\$E\$A 270  
 QY 241 E\$E\$Y\$Q\$R\$V\$T\$T\$G\$C\$A\$T\$C\$I\$A\$L\$V\$G\$M\$C\$V\$A\$Y\$K\$T\$K\$Q\$R\$K\$K\$H\$D\$R\$Q\$S\$R\$E\$R\$N\$M\$M\$N\$A\$G 300  
 271 E\$E\$Y\$Q\$R\$V\$T\$T\$G\$C\$A\$T\$C\$I\$A\$L\$V\$G\$M\$C\$V\$A\$Y\$K\$T\$K\$Q\$R\$K\$K\$H\$D\$R\$Q\$S\$R\$E\$R\$N\$M\$M\$N\$A\$G 330  
 301 P\$H\$P\$N\$P\$P\$P\$V\$O\$V\$Q\$N\$O\$Y\$K\$V\$N\$S\$E\$H\$V\$E\$R\$E\$A\$T\$S\$T\$H\$Y\$T\$S\$A\$H\$S\$T\$T\$V\$T\$Q\$P\$H\$W 360  
 331 P\$H\$P\$N\$P\$P\$P\$V\$O\$V\$Q\$N\$O\$Y\$K\$V\$N\$S\$E\$H\$V\$E\$R\$E\$A\$T\$S\$T\$H\$Y\$T\$S\$A\$H\$S\$T\$T\$V\$T\$Q\$P\$H\$W 390  
 Db 361 S\$N\$G\$T\$E\$S\$T\$I\$S\$E\$S\$H\$V\$M\$V\$S\$V\$E\$N\$R\$H\$S\$P\$T\$G\$P\$R\$G\$R\$G\$T\$G\$P\$R\$E\$C\$N\$S\$F\$L\$R\$A\$R\$E\$T\$D\$Y 420  
 391 S\$N\$G\$T\$E\$S\$T\$I\$S\$E\$S\$H\$V\$M\$V\$S\$V\$E\$N\$R\$H\$S\$P\$T\$G\$P\$R\$G\$R\$G\$T\$G\$P\$R\$E\$C\$N\$S\$F\$L\$R\$A\$R\$E\$T\$D\$Y 450  
 421 R\$D\$P\$H\$S\$E\$R\$V\$S\$A\$M\$T\$P\$A\$R\$M\$P\$V\$P\$F\$H\$T\$P\$P\$S\$P\$K\$P\$S\$E\$M\$P\$P\$V\$S\$M\$T\$V\$S\$M\$P\$M\$A\$V\$S\$P\$M\$E\$E 480  
 451 R\$D\$P\$H\$S\$E\$R\$V\$S\$A\$M\$T\$P\$A\$R\$M\$P\$V\$P\$F\$H\$T\$P\$P\$S\$P\$K\$P\$S\$E\$M\$P\$P\$V\$S\$M\$T\$V\$S\$M\$P\$M\$A\$V\$S\$P\$M\$E\$E 510  
 QY 541 E\$P\$V\$K\$G\$A\$N\$R\$R\$A\$K\$T\$K\$P\$N\$H\$A\$N\$R\$L\$E\$V\$S\$O\$N\$S\$E\$T\$D\$E\$R\$V\$G\$E\$D\$T\$P\$L\$G\$I\$O\$N\$P\$L 600  
 Db 571 E\$P\$V\$K\$G\$A\$N\$R\$R\$A\$K\$T\$K\$P\$N\$H\$A\$N\$R\$L\$E\$V\$S\$O\$N\$S\$E\$T\$D\$E\$R\$V\$G\$E\$D\$T\$P\$L\$G\$I\$O\$N\$P\$L 630  
 QY 601 A\$A\$S\$E\$A\$T\$P\$A\$F\$R\$L\$A\$D\$R\$T\$N\$A\$G\$R\$S\$T\$Q\$E\$E\$Q\$A\$R\$S\$V\$A\$N\$Q\$D\$P\$A\$V 645  
 Db 631 A\$A\$S\$E\$A\$T\$P\$A\$F\$R\$L\$A\$D\$R\$T\$N\$A\$G\$R\$S\$T\$Q\$E\$E\$Q\$A\$R\$S\$V\$A\$N\$Q\$D\$P\$A\$V 675

RESULT 14

US-08-456-241-9  
 Sequence 9, Application US/08456241  
 Patent No. 5840525  
 GENERAL INFORMATION:  
 APPLICANT: Vandlen, Richard L.  
 TITLE OF INVENTION: STRUCTURE, PRODUCTION AND USE OF  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 APPLICATION DATA:  
 APPLICATION NUMBER: US08/456,241  
 FILING DATE: 31-MAY-1995  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 09/126145  
 FILING DATE: 23-SEP-1993  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/880917  
 FILING DATE: 11-MAY-1992  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/847743  
 FILING DATE: 06-MAR-1992  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 FILING DATE: 08-NOV-1991  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 FILING DATE: 25-SEP-1991  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/705256  
 FILING DATE: 24-MAY-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lee, Wendy M.  
 REGISTRATION NUMBER: 00,000  
 REFERENCE/DOCKET NUMBER: 712P4C1D1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 732 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-456-241-9  
 Query Match 100%: Score 3347; DB 2; Length 732;  
 Best Local Similarity 100%; Pred. No. 1.6e-244; Indels 0; Gaps 0;  
 Matches 645; Conservative 0; Mismatches 0;  
 1 MSERKGRGKGKGKAKERGSKKPESAGSPALPQKEMKSQPSAAGSKVIRCETS 60  
 31 MSERKGRGKGKGKAKERGSKKPESAGSPALPQKEMKSQPSAAGSKVIRCETS 90  
 61 SEYSSRKFWKPKGNZNKPKQNTKIQKPGKSLRINKASLADGETMCKVTSKLG 120  
 91 SEYSSRKFWKPKGNZNKPKQNTKIQKPGKSLRINKASLADGETMCKVTSKLG 150  
 121 DSASANTIVESPNEITITGMPASTEGAVSSESPIRSVSTEGANTSSSTSTGTSHLV 180  
 151 DSASANTIVESNEITITGMPASTEGAVSSESPIRSVSTEGANTSSSTSTGTSHLV 210  
 181 KCAEKEKTCFCVNGGCFMVKDLSNPSRYLCKCPNIEFTGDRQCQYNA  
 211 KCAEKEKTCFCVNGGCFMVKDLSNPSRYLCKCPNIEFTGDRQCQYNA  
 241 BELQKRVLTIGTICIAALLWGMCMWAKCTKKRKKLHDRLRSLS  
 271 BELQKRVLTIGTICIAALLWGMCMWAKCTKKRKKLHDRLRSLS  
 301 PHHPNPBPENQVQVQYVSKVNSHSPGPRQLNGTGGPBCN  
 331 PHHPNPBPENQVQVQYVSKVNSHSPGPRQLNGTGGPBCN  
 361 SNGHTESTLSBSHSTVMSVENSNSHSPGPRQLNGTGGPBCN  
 391 SNGHTESTLSBSHSTVMSVENSNSHSPGPRQLNGTGGPBCN  
 421 RDSPSERVYSAWTPARMSPVDFTPSSKSPSEMSPVSMV  
 451 RDSPSERVYSAWTPARMSPVDFTPSSKSPSEMSPVSMV  
 481 RPLLVTPPRLEKCFDHPOQFSAPHNPAHDSLPLSPRIVED  
 511 RPLLVTPPRLEKCFDHQFQFSFHNFHNAHDNSLPLSPRIVED  
 541 RPVKKLANSRRAKTPNGHIANLRLEDSNTSOSNSSETEDERV  
 571 RPVKKLANSRRAKTPNGHIANLRLEDSNTSOSNSSETEDERV  
 601 AASLEATPARIADSRTNPGRFSTQEEQARLSSVIANODPIAV 6  
 631 AASLRTAPARIADSRTNPGRFSTQEEQARLSSVIANODPIAV 6  
 Db Qy  
 RESULT 15  
 PCT US92-04295A-9  
 ; Sequence 9, Application PC/TUS9204295A  
 ; GENERAL INFORMATION:  
 APPLICANT: Genentech, Inc.  
 TITLE OF INVENTION: Structure, Production and Use of  
 NUMBER OF SEQUENCES: 30  
 CORRESPONDENCE ADDRESS:  
 ADDRESSE: Genentech, Inc.  
 STREET: 460 Point San Bruno Blvd  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patin (Genentech)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US92/04295A  
 FILING DATE: 19920521  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/765212  
 FILING DATE: 25-SEP-1991  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/790801  
 FILING DATE: 08-NOV-1991  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: 07/847743  
 FILING DATE: 06-MAR-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hesley, Max D.  
 REGISTRATION NUMBER: 27,043

REFERENCE/DOCKET NUMBER: 712P4  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELX: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 732 amino acids  
 TYPE: AMINO ACID  
 TOPOLOGY: linear  
 PCT-US92-04295A-9

Query Match 100.0%; Score 3347; DB 5; Length 732;  
 Best Local Similarity 100.0%; Pred. No. 1.6e-244; Gaps 0;  
 Matches 645; Conservative 0; Mismatches 0; Indels 0;

Qy 1 MBERKEGRGKGKCKKKRGGSKKPESEAGSAGSKVLRGCTS 60  
 Db 31 MBERKEGRGKGKCKKKRGGSKKPESEAGSAGSKVLRGCTS 90

Qy 61 SESSLRKPWKPKGNELRKNIKOKCKSKSELINKASLADSGBYMCVKISLGN 120  
 Db 91 SESSLRKPWKPKGNELRKNIKOKCKSKSELINKASLADSGBYMCVKISLGN 150

Qy 121 DSSANITIVESNEITGMPASPEGAIVSSESPRIVSSTEGANTSSTSSTGTSHLV 180  
 Db 151 DSANITIVESNEITGMPASPEGAIVSSESPRIVSSTEGANTSSTSSTGTSHLV 210

Qy 181 KCBEKEKTPCVAEBCFMKDLNSPRLICKNEFTGDRCONVWMSFYKHLGIEMA 240  
 Db 211 KCBEKEKTPCVAEBCFMKDLNSPRLICKNEFTGDRCONVWMSFYKHLGIEMA 270

Qy 241 BEIYOKRVLITITCIALIUVGIMCVVAYCKTKQKQLHDRIQSLRSERNMMNTANG 300  
 Db 271 BEIYOKRVLITITCIALIUVGIMCVVAYCKTKQKQLHDRIQSLRSERNMMNTANG 330

Qy 301 PHPNPPENVOVQNVQVSKVNSSEHTVERAEETSTSHYSTAHISTVWOTPSHW 360  
 Db 331 PHPNPPENVOVQNVQVSKVNSSEHTVERAEETSTSHYSTAHISTVWOTPSHW 390

Qy 361 SNKHTESIILSESVISIVMSVENSRSRHSPTGGGRGLNTGGRECHSFLRARETDSY 420  
 Db 391 SNKHTESIILSESVISIVMSVENSRSRHSPTGGGRGLNTGGRECHSFLRARETDSY 450

Qy 421 RDSPHSERVTSAMTPARMSPVDPHTPSSPKSPSEMSPPVSNTVSPMSMAVSPFME 480  
 Db 451 RDSPHSERVTSAMTPARMSPVDPHTPSSPKSPSEMSPPVSNTVSPMSMAVSPFME 510

Qy 481 RPLLVTPPRREKFDHHPQOQSSFHNPNAHNSLPASPLIVEDEEYETTQEVPAQ 540  
 Db 511 RPLLVTPPRREKFDHHPQOQSSFHNPNAHNSLPASPLIVEDEEYETTQEVPAQ 570

Qy 541 EPVKGLANSRRAKTKPNSHIANLLEUDNTSOSNSNSETDERVEDTPIGIONPL 600  
 Db 571 EPVKGLANSRRAKTKPNSHIANLLEUDNTSOSNSNSETDERVEDTPIGIONPL 630

Qy 601 AASLEATPAPRLADSRTNPAGRFSTOEETQARISSVIANQDPAV 645  
 Db 631 AASLEATPAPRLADSRTNPAGRFSTOEETQARISSVIANQDPAV 675

Search completed: October 26, 2005, 04:51:56  
 Job time : 32 sec<sub>s</sub>

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US-10-207-498-4  
Query Match 100.0%; Score 3347; DB 14; length 645;  
Best Local Similarity 100.0%; Pred. No. 7.5e-195;  
Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
Qy 1 M SERKEGRKGKGKCKKERSGKKPESAGQSOPALPPQKEMKSQESAGSKVLVRRETS 60

US-10-609370-3  
Sequence 3, Application US/10609370  
Publication No. US20040048295A1  
GENERAL INFORMATION:  
APPLICANT: Young et al.  
TITLE OF INVENTION: Heregulin-Like Factor  
FILE REFERENCE: FP38301  
CURRENT APPLICATION NUMBER: US10/609,370  
CURRENT FILING DATE: 2003-07-01  
PRIOR APPLICATION NUMBER: 09/037,681  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/049,942  
PRIOR FILING DATE: 1997-06-17  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 3  
LENGTH: 645  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-609370-3

Db	1	MSEREGRGKGKGKCKEKGKGKPESSAQSPALPPQKEMQSQAEGSKVURETS	60
Qy	61	SEYSSURFKPFKNGNBLNRKPKONIKIORKPGKSLERINKASLADSBGYMKVTKISLG	1200
Db	61	SEYSSURFKPFKNGNBLNRKPKONIKIORKPGKSLERINKASLADSGEYMKVTKISLG	1200
Qy	121	DSASANITIVSNEITIGMPASTEGAYSESPIRISVSTEGANTSSSTSTGTSHLV	1800
Db	121	DSASANITIVSNEITIGMPASTEGAYSESPIRISVSTEGANTSSSTSTGTSHLV	1800
Qy	181	KCAEKETKFCVNGGCFPMKDLSPRSYIICKCPBFTGRCQVYMAFYKHGIEHNA	2400
Db	181	KCAEKETKFCVNGGCFPMKDLSPRSYIICKCPBFTGRCQVYMAFYKHGIEHNA	2400
Qy	241	EELYKQKVLITGICALLIVGIMCVAVCKTKQKKHADRQSLASERNNMNIAANG	3000
Db	241	EELYKQKVLITGICALLIVGIMCVAVCKTKQKKHADRQSLASERNNMNIAANG	3000
Qy	301	PHPNPBPENPVOLQVQYQVQNVISSEHTVERAESTSFSTHYSTAHSTTWTOTPSHW	3600
Db	301	PHPNPBPENPVOLQVQYQVQNVISSEHTVERAESTSFSTHYSTAHSTTWTOTPSHW	3600
Qy	361	SNGHETSELSBSHSTVMSVSENSPHSSPQPGPGRGLNGTGGPRECNPLRARETPSY	4200
Db	361	SNGHETSELSBSHSTVMSVSENSPHSSPQPGPGRGLNGTGGPRECNPLRARETPSY	4200
Qy	421	RDSPESERVYSAMTPARNSPVDFITTPSSPKSPSEMSPVSSITVSPMSAVSPFME	4800
Db	421	RDSPESERVYSAMTPARNSPVDFITTPSSPKSPSEMSPVSSITVSPMSAVSPFME	4800
Qy	481	RPLLVTPPRLEKCFDHQOQFSFHMHADNSLPSPLRVEDDEBYESYQBYEPAQ	5400
Db	481	RPLLVTPPRLEKCFDHQOQFSFHMHADNSLPSPLRVEDDEBYESYQBYEPAQ	5400
Qy	541	EPVKKUANSRRAKTRPKNGNITANRLEVDSNTSSOSSNSSETEDERVBEDTPFLIGIONPL	6000
Db	541	EPVKKUANSRRAKTRPKNGNITANRLEVDSNTSSOSSNSSETEDERVBEDTPFLIGIONPL	6000
Qy	601	AASLETTPAFLRADSTNPAGRFSTQEEQARLSSVIANQDPAV	645
Db	601	AASLETTPAFLRADSTNPAGRFSTQEEQARLSSVIANQDPAV	645

US-10-609370-3  
Sequence 3, Application US/10609370  
Publication No. US20040048295A1  
GENERAL INFORMATION:  
APPLICANT: Young et al.  
TITLE OF INVENTION: Heregulin-Like Factor  
FILE REFERENCE: FP38301  
CURRENT APPLICATION NUMBER: US10/609,370  
CURRENT FILING DATE: 2003-07-01  
PRIOR APPLICATION NUMBER: 09/037,681  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/049,942  
PRIOR FILING DATE: 1997-06-17  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 3  
LENGTH: 645  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-609370-3

Db	1 M SERKEGRGKGKGKCKTERGSGKKPESAAQSQSPALPPQJKEMQSQA SGSKVTR CETS 60
Qy	61 S BYSSRFPKWFKNGBNLNRKPKONTKCKPGKSLRINKASLADSBGYMKVSKLGN 120
Db	61 S BYSSRFPKWFKNGBNLNRKPKONTKCKPGKSLRINKASLADSBGYMKVSKLGN 120
Qy	121 D S A S A N I T I V E S N E I I T G M P A S T E G A Y V S S E S P I R I S Y S T E G A N T S S T S T M T G T S H L V 180
Db	121 D S A S A N I T I V E S N E I I T G M P A S T E G A Y V S S E S P I R I S Y S T E G A N T S S T S T M T G T S H L V 180
Qy	181 K C A E K E K T F C V N G G C F M V K D L S P R S V Y L C K C P E F T G R C O R T O N V M A S Y K H G I E F H E 240
Db	181 K C A E K E K T F C V N G G C F M V K D L S P R S V Y L C K C P E F T G R C O R T O N V M A S Y K H G I E F H E 240
Qy	241 E B L Y Q R V U T T G I C I A L L I N G I M C W A V C T K Q R K K H D R Q S L A S E R N N M M I A N G 300
Db	241 E B L Y Q R V U T T G I C I A L L I N G I M C W A V C T K Q R K K H D R Q S L A S E R N N M M I A N G 300
Qy	301 P H P H N P P P E N V O L V N Q Y V K N V I S S E H I V E R A E T S F S T H Y T S H Y T S H A H S T T V O T P S H W 360
Db	301 P H P H N P P P E N V O L V N Q Y V K N V I S S E H I V E R A E T S F S T H Y T S H Y T S H A H S T T V O T P S H W 360
Qy	361 S N G H T S T I L B S H S T Y I M M S V E N S R H S S T P G G R G R L N G T G G R B C E N S P L R H A R E T P S Y 420
Db	361 S N G H T S T I L B S H S T Y I M M S V E N S R H S S T P G G R G R L N G T G G R B C E N S P L R H A R E T P S Y 420
Qy	421 R D S P H S R V Y S A M T T P A R M S P D P H T P S P K S P K S P E M S P P V S S T Y I M P S M A V S P F M B E 480
Db	421 R D S P H S R V Y S A M T T P A R M S P D P H T P S P K S P K S P E M S P P V S S T Y I M P S M A V S P F M B E 480
Qy	481 R P L L Y T P P R I R E K C D H R Q Q F S S P F H M P A H D S N S L P A S P R I V E D E F E Y T O Q Y E P Q 540
Db	481 R P L L Y T P P R I R E K C D H R Q Q F S S P F H M P A H D S N S L P A S P R I V E D E F E Y T O Q Y E P Q 540
Qy	541 E P V K K L A N S R I R A K T R K P N G H I A N R L E V D S N T S S O S S N S E S E T E D E R V G S D T P F L G I Q N P L 600
Db	541 E P V K K L A N S R I R A K T R K P N G H I A N R L E V D S N T S S O S S N S E S E T E D E R V G S D T P F L G I Q N P L 600
Qy	601 A A S L E A T P A F R L A D S R T N P A G R E F S T O E I Q A R L S V I A N O D P I A V 645
Db	601 A A S L E A T P A F R L A D S R T N P A G R E F S T O E I Q A R L S V I A N O D P I A V 645

RESULT 4  
US-11-037-713-44  
; Sequence 44, Application US/11037713  
; Publication No. US20050211398A1  
; GENERAL INFORMATION:  
; APPLICANT: JACQUEMIER, JOCELINE  
; APPLICANT: BERTUCCI, FRANCOIS  
; APPLICANT: BERNBAUM, DANIEL  
; APPLICANT: DEBONO, STEPHANE  
; APPLICANT: TAGET, REBECCA  
; TITLE OF INVENTION: PROTEIN EXPRESSION PROFILING AND BREAST CANCER  
; FILE REFERENCE: 1016-R-04-(B)  
; CURRENT APPLICATION NUMBER: US/11/037,713  
; CURRENT FILING DATE: 2005-01-18  
; PRIORITY APPLICATION NUMBER: 60/537,412  
; PRIORITY FILING DATE: 2004-01-16  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO: 44  
; LENGTH: 645  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-11-037-713-44

Query Match 100.0%; Score 3347; DB 20; Length 645;  
Best Local Similarity 100.0%; Pred. No. 7,9e-195; Indels 0; Gaps 0;  
Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 5  
US-09-773-517-3  
; Sequence 3, Application US/09773517  
; Patent No. US20010023241A1  
; GENERAL INFORMATION:  
; APPLICANT: Sliwkowski, Mark  
; APPLICANT: Korn, Jeffrey  
; TITLE OF INVENTION: Use of Heregulin as a Growth Factor  
; FILE REFERENCE: P1145RL  
; CURRENT APPLICATION NUMBER: US/09/773,517  
; CURRENT FILING DATE: 2001-02-02  
; PRIORITY APPLICATION NUMBER: 09/243,198  
; PRIORITY FILING DATE: 1999-02-02  
; NUMBER OF SEQ ID NOS: 14  
; SEQ ID NO: 3  
; LENGTH: 675  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-773-517-3

Query Match 100.0%; Score 3347; DB 9; Length 675;  
Best Local Similarity 100.0%; Pred. No. 7,9e-195; Indels 0; Gaps 0;  
Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MSERKEGRGKGKGKKERGSKKPEASAAGSQSALPPOLKEMQSQESAGSKVLRCETS 60  
Qy 61 SEYSSLRFKWFNGNLNRKRNKPONIKIQKPGKSLRINKASLADSGEYMKVSKLGN 120  
Db 61 SEYSSLRFKWFNGNLNRKRNKPONIKIQKPGKSLRINKASLADSGEYMKVSKLGN 120  
Db 121 DSASANITIVESNEITGMPASTEGAVVSSSPIRISVSYSTGANTSSTSSTGTGSHLV 180  
Qy 121 DSASANITIVESNEITGMPASTEGAVVSSSPIRISVSYSTGANTSSTSSTGTGSHLV 180  
Db 121 DSASANITIVESNEITGMPASTEGAVVSSSPIRISVSYSTGANTSSTSSTGTGSHLV 180  
Db 181 KCAEKETPCVNGGECFMVKOLSNPSYLUCKPNEFTGDRCONYMASFYKHLGIEFMEA 240  
Qy 181 KCAEKETPCVNGGECFMVKOLSNPSYLUCKPNEFTGDRCONYMASFYKHLGIEFMEA 240  
Db 181 KCAEKETPCVNGGECFMVKOLSNPSYLUCKPNEFTGDRCONYMASFYKHLGIEFMEA 240  
Db 241 ELYQKVLITIGCIALLVGIMCVAYCKTKQRKKLUDRLRQSLRSERNMMINTANG 300  
Qy 241 ELYQKVLITIGCIALLVGIMCVAYCKTKQRKKLUDRLRQSLRSERNMMINTANG 300  
Db 241 ELYQKVLITIGCIALLVGIMCVAYCKTKQRKKLUDRLRQSLRSERNMMINTANG 300  
Db 301 PHHPNPPEPVNVOLVNQVSKVNSHPTGGRGNGTGPRECNFLRAREPDSY 420  
Qy 301 PHHPNPPEPVNVOLVNQVSKVNSHPTGGRGNGTGPRECNFLRAREPDSY 420  
Db 301 PHHPNPPEPVNVOLVNQVSKVNSHPTGGRGNGTGPRECNFLRAREPDSY 420  
Db 361 SNGHTESTLSSEHSVIMSVENSRRSISPPGPRGLNGTGPRECNFLRAREPDSY 420  
Qy 361 SNGHTESTLSSEHSVIMSVENSRRSISPPGPRGLNGTGPRECNFLRAREPDSY 420  
Db 361 SNGHTESTLSSEHSVIMSVENSRRSISPPGPRGLNGTGPRECNFLRAREPDSY 420  
Db 421 RDSPHRSRVSAMTPARMSPVDFHPTSSPKSPSEMSPVSMVSPMVAWSFPMEE 480  
Qy 421 RDSPHRSRVSAMTPARMSPVDFHPTSSPKSPSEMSPVSMVSPMVAWSFPMEE 480  
Db 421 RDSPHRSRVSAMTPARMSPVDFHPTSSPKSPSEMSPVSMVSPMVAWSFPMEE 480  
Qy 481 RPLLVTPPRLRKKFDHPOQSSFFHNPANDNSLSPASPLRIVEDBEYETQEPAO 540  
Db 481 RPLLVTPPRLRKKFDHPOQSSFFHNPANDNSLSPASPLRIVEDBEYETQEPAO 540  
Db 541 EPVKKLANSRRAKRTKNGHIANLLEVDSNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
Qy 541 EPVKKLANSRRAKRTKNGHIANLLEVDSNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
Db 541 EPVKKLANSRRAKRTKNGHIANLLEVDSNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
Qy 601 AASLEATPAFLADSRTNPAGRSTQEBIQARLSSVIANQDPIAV 645  
Db 601 AASLEATPAFLADSRTNPAGRSTQEBIQARLSSVIANQDPIAV 645  
Db 601 AASLEATPAFLADSRTNPAGRSTQEBIQARLSSVIANQDPIAV 645

RESULT 6  
US-09-773-517-3  
; Sequence 3, Application US/09773517  
; Patent No. US20010023241A1  
; GENERAL INFORMATION:  
; APPLICANT: Sliwkowski, Mark  
; APPLICANT: Korn, Jeffrey  
; TITLE OF INVENTION: Use of Heregulin as a Growth Factor  
; FILE REFERENCE: P1145RL  
; CURRENT APPLICATION NUMBER: US/09/773,517  
; CURRENT FILING DATE: 2001-02-02  
; PRIORITY APPLICATION NUMBER: 09/243,198  
; PRIORITY FILING DATE: 1999-02-02  
; NUMBER OF SEQ ID NOS: 14  
; SEQ ID NO: 3  
; LENGTH: 675  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-773-517-3

Query Match 100.0%; Score 3347; DB 9; Length 675;  
Best Local Similarity 100.0%; Pred. No. 7,9e-195; Indels 0; Gaps 0;  
Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MSERKEGRGKGKGKKERGSKKPEASAAGSQSALPPOLKEMQSQESAGSKVLRCETS 60  
Qy 31 MSERKEGRGKGKGKKERGSKKPEASAAGSQSALPPOLKEMQSQESAGSKVLRCETS 90  
Qy 61 SEYSSLRFKWFNGNLNRKRNKPONIKIQKPGKSLRINKASLADSGEYMKVSKLGN 120

INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 675 amino acids  
 TYPE: Amino Acid  
 MOLECULE TYPE: amino acid  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 ; US-09-792-025-3

Query Match 100.0%; Score 3347; DB 9; Length 675;  
 Best Local Similarity 100.0%; Pred. No. 7.9e-195; Mismatches 0; Indels 0; Gaps 0;  
 Matches 645; Conservative 0;

Db 1 MSERKEGRGKGKKERGSSGKPEASAAGSOSPALPPOLKEKMSQESAAGSKLVLRCE 60  
 Db 31 MSERKEGRGKGKKERGSSGKPEASAAGSOSPALPPOLKEKMSQESAAGSKLVLRCE 90  
 Db 61 SEYSILRFKFKONGNLANKNPONIKLQKPGKSELRLINKASLADGEMCKVLSKGN 120  
 Db 91 SEYSILRFKFKONGNLANKNPONIKLQKPGKSELRLINKASLADGEMCKVLSKGN 150  
 Db 121 DSANANITIVESNEITIGMPASTEGAYVSSSPIRISVSTEGANTSSTSSTGTGSHV 180  
 Db 151 DSANANITIVESNEITIGMPASTEGAYVSSSPIRISVSTEGANTSSTSSTGTGSHV 210  
 Db 181 KCAEKEKTFCCVNGGBCFMVTKDLNSPSRYLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 240  
 Db 211 KCAEKEKTFCCVNGGBCFMVTKDLNSPSRYLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 270  
 Db 301 PHHPNPPENVOLNQYUSKVNISSEHIVEREAETSFSTSHYSTAHSTTWTQPSHW 360  
 Db 421 RDSPHSERYVAMTPARMSVDFHTPSSPKSPSEMSPPVSSMTSMPMSMAVPFME 480  
 Db 451 RDSPHSERYVAMTPARMSVDFHTPSSPKSPSEMSPPVSSMTSMPMSMAVPFME 510  
 Db 481 RPLLIUTPPLRECKFDHHPQQFSFHNPRAHDSNLSPLASPLRVEDEYETQYPAQ 540  
 Db 511 RPLLIUTPPLRECKFDHHPQQFSFHNPRAHDSNLSPLASPLRVEDEYETQYPAQ 570  
 Db 541 EPVKKLANSRRAKTKPNGHIANLEVDNTSSQSNSETEDERVGEDTPFLGIQNL 600  
 Db 571 EPVKKLANSRRAKTKPNGHIANLEVDNTSSQSNSETEDERVGEDTPFLGIQNL 630  
 Db 601 AASLEATPAFLADSRTNPAGRFTQEEIQLRSSLVIANQDPIAV 645  
 Db 631 AASLEATPAFLADSRTNPAGRFTQEEIQLRSSLVIANQDPIAV 675

RESULT 6 US-09-792-025-3

; Sequence 3, Application US/09792025  
 ; Patent No. US2002042087A1

GENERAL INFORMATION:  
 APPLICANT: Slivkowski, Mark  
 KERN, Jeffrey

TITLE OF INVENTION: Use of heregulin as a Growth Factor  
 NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genentech, Inc.  
 STREET: 1 DNA Way  
 CITY: South San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94080

COMPUTER READABLE FORM:  
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Winparin (Genentech)

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/792, 025  
 FILING DATE: 23-Feb-2001  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/020, 598  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Schwartz, Timothy R.  
 REGISTRATION NUMBER: 32171  
 REFERENCE/DOCKET NUMBER: P1145  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650/225-7467

RESULT 7 US-09-849-868-3

; Sequence 3, Application US/09849868  
 ; Patent No. US20020081299A1

GENERAL INFORMATION:  
 APPLICANT: Genentech, Inc.  
 APPLICANT: Gao, Wei-Qiang

TITLE OF INVENTION: HAIR CELL DISORDERS  
 FILE REFERENCE: GENENT.035VPC  
 CURRENT APPLICATION NUMBER: US/09/849, 868  
 CURRENT FILING DATE: 2001-05-04  
 NUMBER OF SEQ ID NOS: 14  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 3

LENGTH: 675  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-849-868-3

Query Match 100.0%; Score 3347; DB 9; Length 675;  
Best Local Similarity 100.0%; Pred. No. 7.9e-195; Length 675;  
Matches 645; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSERKEGRGKGKCKKRGSGKKPESAGQSPPALPPOLKEMKSQSAAGSKVLRCT 60  
Db 31 MSERKEGRGKGKCKKRGSGKKPESAGQSPPALPPOLKEMKSQSAAGSKVLRCT 60  
Qy 61 SEYSSLRPKWFKNGNELNKRKPKONIKIQKPGKSELRINKASLADSGEMCKVSKLGN 120  
Db 91 SEYSSLRPKWFKNGNELNKRKPKONIKIQKPGKSELRINKASLADSGEMCKVSKLGN 150  
Qy 121 DSASANITIVESNEITGMPASTEGAYVSSEPIRVSSTEAGNTSSSTSSTGTSHLV 180  
Db 151 DSASANITIVESNEITGMPASTEGAYVSSEPIRVSSTEAGNTSSSTSSTGTSHLV 210  
Qy 181 KCAEKETFCYNGECFMVKDLSNPSRYLCKPNEFTGDRCONYMASFYKHLGIFMEA 240  
Db 211 KCAEKETFCYNGECFMVKDLSNPSRYLCKPNEFTGDRCONYMASFYKHLGIFMEA 270  
Qy 241 ELYQKRVLTITGICALLVGIMCVAYCKTKKQKQLDRLRSLRSERNMONTANG 300  
Db 271 ELYQKRVLTITGICALLVGIMCVAYCKTKKQKQLDRLRSLRSERNMONTANG 330  
Qy 301 PHPNPPENPVOLVNQVSKVNTSSEIIVEREAEFTSTAHSTTWTOPSHW 360  
Db 331 PHPNPPENPVOLVNQVSKVNTSSEIIVEREAEFTSTAHSTTWTOPSHW 390  
Qy 361 SNGHTESTLSSEHSVITVMSVENSRHSSPTGPRGRNGTGPRECNSFLRARETDY 420  
Db 391 SNGHTESTLSSEHSVITVMSVENSRHSSPTGPRGRNGTGPRECNSFLRARETDY 450  
Qy 421 RDSPHSERYSVAMTTPARMSPVDFHTSSPKSPSEMSPVSMVSPMEE 480  
Db 451 RDSPHSERYSVAMTTPARMSPVDFHTSSPKSPSEMSPVSMVSPMEE 510  
Qy 481 RPLLVTPPRLEKKEKFDHPOQFSSFHNPADNSLSPASLIVDEBEYETQEPAO 540  
Db 511 RPLLVTPPRLEKKEKFDHPOQFSSFHNPADNSLSPASLIVDEBEYETQEPAO 570  
Qy 541 EPVKKLANSRRAKRTKENGHIANLEVDNTSSQSSNSESETEDERIVEDTPFLGIONPL 600  
Db 571 EPVKKLANSRRAKRTKENGHIANLEVDNTSSQSSNSESETEDERIVEDTPFLGIONPL 630  
Qy 601 AASLEATPAFLRADSRTPAGRSTQEIQARLSSVIANQDPAV 645  
Db 631 AASLEATPAFLRADSRTPAGRSTQEIQARLSSVIANQDPAV 675

RESULT 8  
US-10-453-183-3  
; Sequence 3, Application US/10453183  
; Publication No. US2003019429A1  
; GENERAL INFORMATION:  
; APPLICANT: Sliwkowski, Mark  
; TITLE OF INVENTION: Use of Heregulin as a Growth Factor  
; FILE REFERENCE: P145RL  
; CURRENT FILING DATE: 2003-06-03  
; PRIORITY NUMBER: US/10/453,183  
; PRIORITY FILING DATE: 1999-02-02  
; PRIORITY APPLICATION NUMBER: US 60/073,866  
; NUMBER OF SEQ ID NOS: 14  
; SEQ ID NO 3  
; LENGTH: 675  
; TYPE: PRT

RESULT 9  
US-10-096-241-10  
; Sequence 10, Application US/10096241  
; Publication No. US20020127594A1  
; GENERAL INFORMATION:  
; APPLICANT: Gearing, David P.  
; TITLE OF INVENTION: DON-1 GENE AND POLYPEPTIDES  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-8804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/096, 241  
FILING DATE: 12-Mar-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/699, 591  
FILING DATE: 19-AUG-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, J. Peter  
REGISTRATION NUMBER: 32,983

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 645 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-096-241-10

Query Match 99.9%; Score 3343; DB 13; Length 645;  
Best Local Similarity 99.8%; Pred. No. 1.3e-194; Matches 644; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
PQ 1 MSERKEGRGKGKGGKKGKRGSSKKPESAGSOSPALPQLEKMQESAGSKVLRCTS 60  
1 MSERKEGRGKGKGGKKGKRGSSKKPESAGSOSPALPQLEKMQESAGSKVLRCTS 60

61 SEYSSLRFKWNFKNGNELNRKPKONIKIQLQPKGSKELRINKASLADSGEYMKVLSKGN 120  
61 SEYSSLRFKWNFKNGNELNRKPKONIKIQLQPKGSKELRINKASLADSGEYMKVLSKGN 120

121 DSANANITIVESNEITITGMPASTEGAYVSSESPRISVSTEGANTSSTSTGTSHLV 180  
121 DSANANITIVESNEITITGMPASTEGAYVSSESPRISVSTEGANTSSTSTGTSHLV 180

181 KCAEKEKTFCCVNGGCFMVKDLNSPNSRVLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 240  
181 KCAEKEKTFCCVNGGCFMVKDLNSPNSRVLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 240

241 BELYQKRVLTITGICALLYVGIMCVVAYCCTKQKPKLHLDRQSLRSBRNNMMIANG 300  
241 BELYQKRVLTITGICALLYVGIMCVVAYCCTKQKPKLHLDRQSLRSBRNNMMIANG 300

301 PHPHNPNPENTVOLVNOYVSKRNVISBHVREATESTFSHTHYSTAHHSITVTOPTSHW 360  
301 PHHPNPNPENPVOLVNOYVSKRNVISBHVREATESTFSHTHYSTAHHSITVTOPTSHW 360

361 SNGHESLISESHSVIUMSSVNSHSSPQGKPRRLNGTGPQLEKMQESAGSKVLRCTS 420  
361 SNGHESLISESHSVIUMSSVNSHSSPQGKPRRLNGTGPQLEKMQESAGSKVLRCTS 420

421 RDSPISERTYSAMTPARMSPVDFHTPSSPKSPPEMSPVSSMTVSMPSMAVPPMEE 480  
421 RDSPISERTYSAMTPARMSPVDFHTPSSPKSPPEMSPVSSMTVSMPSMAVPPMEE 480

481 RPLLLVTPPRLEKEKEDHHPQOFSSPHNPAHDNSLSPASPLRIVEDEEVEETTBYEPAQ 540  
481 RPLLLVTPPRLEKEKEDHHPQOFSSPHNPAHDNSLSPASPLRIVEDEEVEETTBYEPAQ 540

541 EPVKGLANSRRAKTRPKNGHANLRVDSWNSDSSNSSETEDERGSDTPFEGIONPL 600  
541 EPVKGLANSRRAKTRPKNGHANLRVDSWNSDSSNSSETEDERGSDTPFEGIONPL 600

601 AASLEATPRLAOSRTPAGRSTOEIQARLSSVIANODPIAV 645  
601 AASLEATPRLAOSRTPAGRSTOEIQARLSSVIANODPIAV 645

RESULT 10  
US-10-899-227-10  
; Sequence 10 Application US/10899227  
; Publication No.US2004025970A1  
GENERAL INFORMATION:  
APPLICANT: Gearling, David P.  
Bufield, Samantha J.

TITLE OF INVENTION: DON-1 GENE AND POLYPEPTIDES  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02110-2804

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/899, 227  
FILING DATE: 26-JUL-2004  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 08/699, 591  
FILING DATE: 19-AUG-1996

ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, J. Peter  
REGISTRATION NUMBER: 32,983

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 645 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-899-227-10

Query Match 99.9%; Score 3343; DB 16; Length 645;  
Best Local Similarity 99.8%; Pred. No. 1.3e-194; Matches 644; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSERKEGRGKGKGGKKGKRGSSKKPESAGSOSPALPQLEKMQESAGSKVLRCTS 60  
1 MSERKEGRGKGKGGKKGKRGSSKKPESAGSOSPALPQLEKMQESAGSKVLRCTS 60

61 SEYSSLRFKWNFKNGNELNRKPKONIKIQLQPKGSKELRINKASLADSGEYMKVLSKGN 120  
61 SEYSSLRFKWNFKNGNELNRKPKONIKIQLQPKGSKELRINKASLADSGEYMKVLSKGN 120

121 DSANANITIVESNEITITGMPASTEGAYVSSESPRISVSTEGANTSSTSTGTSHLV 180  
121 DSANANITIVESNEITITGMPASTEGAYVSSESPRISVSTEGANTSSTSTGTSHLV 180

181 KCAEKEKTFCCVNGGCFMVKDLNSPNSRVLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 240  
181 KCAEKEKTFCCVNGGCFMVKDLNSPNSRVLCKCPNEFTGDRCONYMASFYKHLGIEFMEA 240

241 BELYQKRVLTITGICALLYVGIMCVVAYCCTKQKPKLHLDRQSLRSBRNNMMIANG 300  
241 BELYQKRVLTITGICALLYVGIMCVVAYCCTKQKPKLHLDRQSLRSBRNNMMIANG 300

241 ELYOKRVLITIGCIALLVGIMCVAYCKTKORKKUDRQLRSLSERNMMNIAANG 300  
 301 PHPNPPENYQVOLNQYVSQVNSSEHVERAETSFSTSHYSTAHSHSTVTQPSHW 360  
 301 PHPNPPENYQVOLNQYVSQVNSSEHVERAETSFSTSHYSTAHSHSTVTQPSHW 360  
 361 SNGHTESILSESHSVTMSVNSRHSPTGPRGRGLNGTGPRECSFLHAREPDSY 420  
 361 SNGHTESILSESHSVTMSVNSRHSPTGPRGRGLNGTGPRECSFLHAREPDSY 420  
 421 RDSPHSERYVSAMTPARMSPVDFHTSSPKSPSESPVMSMTSPMSMVASPME 480  
 421 RDSPHSERYVSAMTPARMSPVDFHTSSPKSPSESPVMSMTSPMSMVASPME 480  
 481 RPILLVTPRLEKKFDHPOQFSFHNPARDNSLSPASPIRIVEDBEYETQEPQ 540  
 481 RPILLVTPRLEKKFDHPOQFSFHNPARDNSLSPASPIRIVEDBEYETQEPQ 540  
 541 EPVKLANSRAKTKNGHIANLEVDNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
 541 EPVKLANSRAKTKNGHIANLEVDNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
 601 ASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPIAV 645  
 601 ASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPIAV 645

RESULT 11  
 US-10-995-011-13  
 Sequence 13, Application US/10995011  
 Publication No. US20050208527A1  
 GENERAL INFORMATION:  
 APPLICANT: Steffansson, Breinn  
 APPLICANT: Steinthorsdottir, Valgerdur  
 APPLICANT: Glicher, Jeffrey R.  
 APPLICANT: Gurney, Mark  
 APPLICANT: Andresson, Thorkell  
 TITLE OF INVENTION: Human Schizophrenia Gene  
 FILE REFERENCE: 2345.2004-021  
 CURRENT APPLICATION NUMBER: US/10/995,011  
 CURRENT FILING DATE: 2004-11-22  
 PRIOR APPLICATION NUMBER: US/10/07,604  
 PRIOR FILING DATE: 2001-03-26  
 PRIOR APPLICATION NUMBER: US/09/946,807  
 PRIOR FILING DATE: 2001-09-05  
 PRIOR APPLICATION NUMBER: PCT/US01/06377  
 PRIOR FILING DATE: 2001-02-28  
 PRIOR APPLICATION NUMBER: US/09/795,668  
 PRIOR FILING DATE: 2001-02-28  
 PRIOR APPLICATION NUMBER: US/09/515,716  
 PRIOR FILING DATE: 2000-02-28  
 NUMBER OF SEQ ID NOS: 1676  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 13  
 LENGTH: 645  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-995-011-13

Query Match 99.7%; Score 3337; DB 18; Length 645;  
 Best Local Similarity 99.7%; Pred. No. 3e-194; 1; Indels 0; Gaps 0;  
 Matches 643; Conservative 1; Mismatches 0; Gaps 0;

Query 1 MSERKEGRGKGKGGKCKKRGKKGKPKSAASQSPALPPQKEMKSQBSAAGSKVLRCTS 60  
 1 MSERKEGRGKGKGGKCKKRGKKGKPKSAASQSPALPPQKEMKSQBSAAGSKVLRCTS 60  
 61 SEYSSLRFKMFONGNLNKKNPKONIKQKPKSEURINKASLADSGEYMCVTKLGN 120  
 61 SEYSSLRFKMFONGNLNKKNPKONIKQKPKSEURINKASLADSGEYMCVTKLGN 120  
 121 DSASANITIVESNETITGMMPASTEGAVVSESPRISTEGANTSSTSTGTGSHV 180  
 121 DSASANITIVESNETITGMMPASTEGAVVSESPRISTEGANTSSTSTGTGSHV 180  
 181 KCAEKFTFCUNGGEPMVKDLSNPSRYLCKCPNEETGDCQNTYMASFKHLGIEFMEA 240  
 181 KCAEKFTFCUNGGEPMVKDLSNPSRYLCKCPNEETGDCQNTYMASFKHLGIEFMEA 240  
 241 ELYOKRVLITIGCIALLVGIMCVAYCKTKORKKUDRQLRSLSERNMMNIAANG 300  
 241 ELYOKRVLITIGCIALLVGIMCVAYCKTKORKKUDRQLRSLSERNMMNIAANG 300  
 241 KCAEKFTFCUNGGEPMVKDLSNPSRYLCKCPNEETGDCQNTYMASFKHLGIEFMEA 240  
 241 KCAEKFTFCUNGGEPMVKDLSNPSRYLCKCPNEETGDCQNTYMASFKHLGIEFMEA 240  
 301 PHPNPPENYQVOLNQYVSQVNSSEHVERAETSFSTSHYSTAHSHSTVTQPSHW 360  
 301 PHPNPPENYQVOLNQYVSQVNSSEHVERAETSFSTSHYSTAHSHSTVTQPSHW 360  
 361 SNGHTESILSESHSVTMSVNSRHSPTGPRGRGLNGTGPRECSFLHAREPDSY 420  
 361 SNGHTESILSESHSVTMSVNSRHSPTGPRGRGLNGTGPRECSFLHAREPDSY 420  
 421 RDSPHSERYVSAMTPARMSPVDFHTSSPKSPSESPVMSMTSPMSMVASPME 480  
 421 RDSPHSERYVSAMTPARMSPVDFHTSSPKSPSESPVMSMTSPMSMVASPME 480  
 481 RPILLVTPRLEKKFDHPOQFSFHNPARDNSLSPASPIRIVEDBEYETQEPQ 540  
 481 RPILLVTPRLEKKFDHPOQFSFHNPARDNSLSPASPIRIVEDBEYETQEPQ 540  
 541 EPVKLANSRAKTKNGHIANLEVDNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
 541 EPVKLANSRAKTKNGHIANLEVDNTSSQNSSESETEDERIVEDTPFLGIONPL 600  
 601 ASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPIAV 645  
 601 ASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPIAV 645

RESULT 12  
 US-09-773-517-5  
 Sequence 5, Application US/09773517  
 Patent No. US2001032341A1  
 GENERAL INFORMATION:  
 APPLICANT: Sliwkowski, Mark  
 APPLICANT: Kain, Jeffrey  
 TITLE OF INVENTION: Use of Herregulin as a Growth Factor  
 FILE REFERENCE: P1145R1  
 CURRENT APPLICATION NUMBER: US/09/773, 517  
 CURRENT FILING DATE: 2001-02-02  
 PRIOR APPLICATION NUMBER: 09/243, 198  
 PRIOR FILING DATE: 1999-02-02  
 NUMBER OF SEQ ID NOS: 14  
 SEQ ID NO 5  
 LENGTH: 637  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-773-517-5

Query Match 98.1%; Score 3284; DB 9; Length 637;  
 Best Local Similarity 98.6%; Pred. No. 4.9e-191; 0; Mismatches 1; Indels 8; Gaps 1;  
 Matches 636; Conservative 0; Mismatches 1; Indels 8; Gaps 1;

Query 1 MSERKEGRGKGKGGKCKKRGKKGKPKSAASQSPALPPQKEMKSQBSAAGSKVLRCTS 60  
 1 MSERKEGRGKGKGGKCKKRGKKGKPKSAASQSPALPPQKEMKSQBSAAGSKVLRCTS 60  
 61 SEYSSLRFKMFONGNLNKKNPKONIKQKPKSEURINKASLADSGEYMCVTKLGN 120  
 61 SEYSSLRFKMFONGNLNKKNPKONIKQKPKSEURINKASLADSGEYMCVTKLGN 120  
 121 DSASANITIVESNETITGMMPASTEGAVVSESPRISTEGANTSSTSTGTGSHV 180  
 121 DSASANITIVESNETITGMMPASTEGAVVSESPRISTEGANTSSTSTGTGSHV 180  
 181 KCAEKFTFCUNGGEPMVKDLSNPSRYLCKCPNEETGDCQNTYMASFKHLGIEFMEA 240

Db 181 KCAEKETKFCVNGECFMVKDLNSPNSYRLCKCPNEFTGDRCONYMASFK-----A 232

Qy 241 EBLYQKVLITGICLALLYGIMCVAYCKTKQKQKLUHDLRQSLRSLRBNMNIANG 300

Db 233 EBLYQKVLITGICLALLYGIMCVAYCKTKQKQKLUHDLRQSLRSLRBNMNIANG 292

Qy 301 PHPNPPPENTQDQNQVSKVNSHIVVEREALSFSTSYTSTAHSTVTQTPSHW 360

Db 293 PHPNPPPENTQDQNQVSKVNSHIVVEREALSFSTSYTSTAHSTVTQTPSHW 352

Qy 361 SNGHTEISLSESHSVTMSVNSHRSRHSPTGPRGLNGTGPREGNSFLRHAETPDY 420

Db 353 SNGHTEISLSESHSVTMSVNSHRSRHSPTGPRGLNGTGPREGNSFLRHAETPDY 412

Qy 421 RDSPHSERYVSAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVSKPMSVSPPMEE 480

Db 413 RDSPHSERYVSAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVSKPMSVSPPMEE 472

Qy 481 RPLLYVTPPLREKKFDHHPQOFSFHNPQDSNLPASPLRIVEDEETTQYPAQ 540

Db 473 RPLLYVTPPLREKKFDHHPQOFSFHNPQDSNLPASPLRIVEDEETTQYPAQ 532

Qy 541 EPVKLANSRRAKTRKTPNGHTANLEUDSNTSSQNSNSESETDERIVEDFTPFLGIONPL 600

Db 533 EPVKLANSRRAKTRKTPNGHTANLEUDSNTSSQNSNSESETDERIVEDFTPFLGIONPL 592

Qy 601 AASLEATPAFLADSRTNPAGRSTQEEQARLSSVIANQDPIAV 645

Db 593 AASLEATPAFLADSRTNPAGRSTQEEQARLSSVIANQDPIAV 637

RESULT 13

US-03-792-025-5  
; Sequence 5, Application US/09792025

; Patent No. US20020042087A1  
; GENERAL INFORMATION:

APPLICANT: Sliwkowski, Mark  
Kern, Jeffrey

TITLE OF INVENTION: Use of Heregulin as a Growth Factor  
NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.

STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/792,025

APPLICATION NUMBER: US/09/792,025  
FILING DATE: 22-Feb-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/020,598

FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:

NAME: Schwartz, Timothy R.  
REGISTRATION NUMBER: 32171  
REFERENCE/DOCKET NUMBER: P1145

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/225-7467  
TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 637 amino acids  
TYPE: Amino Acid  
TOPLOGY: Linear  
MOLECULE TYPE: amino acid  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-03-792-025-5

Query Match 98.1%; Score 3294; DB 9; Length 637;

Base Local Similarity 98.6%; Pred. No. 4.9-191; Indels 8; Gaps 1;

Matches 635; Conservative 0; Mismatches 1; Indels 8; Gaps 1;

1 MSERKEGRGKKGKKEGRGGKKCSEAGQSPPALPPQKEMKSQBSAAGSKLVRCETS 60

Db 1 MSERKEGRGKKGKKEGRGGKKCSEAGQSPPALPPQKEMKSQBSAAGSKLVRCETS 60

Qy 61 SEYSSLRFRKFKNGNLRKPKQNIKQKPGKSLRINKASLADSGEMCKVTSKGN 120

Db 61 SEYSSLRFRKFKNGNLRKPKQNIKQKPGKSLRINKASLADSGEMCKVTSKGN 120

Qy 121 DSASANITIVESNETITGMASTEGAWSESPRISVSEGANTSSSTSTGTSHLV 180

Db 121 DSASANITIVESNETITGMASTEGAWSESPRISVSEGANTSSSTSTGTSHLV 180

Qy 181 KCAEKETKFCVNGECFMVKDLNSPNSYRLCKCPNEFTGDRCONYMASFK-----A 232

Db 181 KCAEKETKFCVNGECFMVKDLNSPNSYRLCKCPNEFTGDRCONYMASFK-----A 232

Qy 241 EBLYQKVLITGICLALLYGIMCVAYCKTKQKQKLUHDLRQSLRSLRBNMNIANG 300

Db 233 EBLYQKVLITGICLALLYGIMCVAYCKTKQKQKLUHDLRQSLRSLRBNMNIANG 292

Qy 361 SNGHTEISLSESHSVTMSVNSHRSRHSPTGPRGLNGTGPREGNSFLRHAETPDY 420

Db 353 SNGHTEISLSESHSVTMSVNSHRSRHSPTGPRGLNGTGPREGNSFLRHAETPDY 412

Qy 421 RDSPHSERYVSAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVSKPMSVSPPMEE 480

Db 413 RDSPHSERYVSAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVSKPMSVSPPMEE 472

Qy 481 RPLLYVTPPLREKKFDHHPQOFSFHNPQDSNLPASPLRIVEDEETTQYPAQ 540

Db 473 RPLLYVTPPLREKKFDHHPQOFSFHNPQDSNLPASPLRIVEDEETTQYPAQ 532

Qy 541 EPVKLANSRRAKTRKTPNGHTANLEUDSNTSSQNSNSESETDERIVEDFTPFLGIONPL 600

Db 533 EPVKLANSRRAKTRKTPNGHTANLEUDSNTSSQNSNSESETDERIVEDFTPFLGIONPL 592

Qy 601 AASLEATPAFLADSRTNPAGRSTQEEQARLSSVIANQDPIAV 645

Db 593 AASLEATPAFLADSRTNPAGRSTQEEQARLSSVIANQDPIAV 637

RESULT 14

US-09-849-868-5

; Sequence 5, Application US/09849868

; Patent No. US20020081299A1

; GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICATION NUMBER: Gao, Wei-Qiang

TITLE OF INVENTION: HAIR CELL DISORDERS

FILE REFERENCE: GENENT.035VPC

CURRENT APPLICATION NUMBER: US/09/849,868

CURRENT FILING DATE: 2001-05-04

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 5

LENGTH: 637

TYPE: PRT

ORGANISM: Homo sapiens

US-09-849-868-5

Query Match 98.1%; Score 3294; DB 9; Length 637;

Base Local Similarity 98.6%; Pred. No. 4.9-191; Indels 8; Gaps 1;

Matches 635; Conservative 0; Mismatches 1; Indels 8; Gaps 1;

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QY 1 MSERKEGRGKGKKKERRGSGKKPESAGSGOSPALPOLKEMKQDQSAAGSKVLRCT 60
Db 1 MSERKEGRGKGKKKERRGSGKKPESAGSGOSPALPOLKEMKQDQSAAGSKVLRCT 60
QY 61 SEYSSLRFPWKFGNGELNRKPKONTRKPKQKGKSELIRNKASLADSGEYCKVSKLGN 120
Db 61 SEYSSLRFPWKFGNGELNRKPKONTRKPKQKGKSELIRNKASLADSGEYCKVSKLGN 120
QY 61 SEYSSLRFPWKFGNGELNRKPKONTRKPKQKGKSELIRNKASLADSGEYCKVSKLGN 120
Db 61 SEYSSLRFPWKFGNGELNRKPKONTRKPKQKGKSELIRNKASLADSGEYCKVSKLGN 120
QY 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
Db 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
QY 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
Db 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
QY 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
Db 121 DSANANTIVESNEITGMPASTEGAVVSSSPRISVSTEGANTSSSTSTGSHLV 180
QY 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
Db 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
QY 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
Db 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
QY 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
Db 181 KCAEKETFCVNGGECMVKDLNSPRLCKCPNEFTGDRCONYMASFYKHLGIRMEA 240
QY 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
Db 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
QY 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
Db 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
QY 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
Db 241 EELYQKRVLTIGCIALLVGIMCVAYCKTKQKRRKQKHLRQSLRSERNMMNTANG 300
QY 301 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 360
Db 301 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 360
QY 301 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 360
Db 301 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 360
QY 293 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 352
Db 293 PHPNPPENPVOLVNUQVSKVNSHETVEREATSSTSHYSTAHSTTVTQTPSHW 352
QY 361 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 420
Db 361 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 420
QY 361 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 420
Db 361 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 420
QY 353 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 412
Db 353 SIGHTESTLSSESIVIMSVENSRSHPGGRGRNGTGGRECSFLRAREPDSY 412
QY 421 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 480
Db 421 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 480
QY 421 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 480
Db 421 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 480
QY 413 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 472
Db 413 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 472
QY 413 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 472
Db 413 RDSPHSERVYSAAMTPARMSPVDFHTPSSPKSPSEMSPPVSSMTVKPSMAVSPFEE 472
QY 481 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 540
Db 481 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 540
QY 481 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 540
Db 481 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 540
QY 473 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 532
Db 473 RPLLVTPRRLREKKFDHHPQOQSSPHENPAHNSLSPASPLRIVEDEYETQYEPQ 532
QY 541 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 600
Db 541 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 600
QY 541 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 600
Db 541 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 600
QY 533 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 592
Db 533 EPVKKLANSRRAKTKPQHIANRLEVNTSSQSSNSESETDERIVEDTPFLGIONPL 592
QY 601 AASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPAV 645
Db 601 AASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPAV 645
QY 593 AASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPAV 637
Db 593 AASLEATPAFRILADSRTNPAGRSTQEBIQRARLSSVIANQDPAV 637

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RESULT 15

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US-10-153-183-5
; Sequence 5, Application US/10453183
; Publication No. US20030199429A1
; GENERAL INFORMATION:
; APPLICANT: Sliwowski, Mark
; APPLICANT: Kean, Jeffrey
; TITLE OF INVENTION: Use of Heregulin as a Growth Factor
; FILE REFERENCE: P145R1
; CURRENT APPLICATION NUMBER: US/10453,183
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: US/09/243,198
; PRIOR FILING DATE: 1998-02-02
; PRIOR APPLICATION NUMBER: US 60/073,866
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 5
; LENGTH: 637
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-183-5

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Query Match 98.1%; Score 3284; DB 14; Length 637;
Best Local Similarity 98.6%; Pred. No. 4.9e-191;
Matches 636; Conservative 0; Mismatches 1; Indels 8; Gaps 1;
QY 1 MSERKEGRGKGKKKERRGSGKKPESAGSGOSPALPOLKEMKQDQSAAGSKVLRCT 60

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